



# Coursera - Creating an AWS EC2 Autoscaling Group using Load Balancer

Generated on December 20, 2023

## Summary

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### Task 3 : Creating A Launch Configuration Using Your AMI

0:17

AMIs | EC2 Management Console

18.222.223.223/classify

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Images:sort=name

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Owned by meFilter by tags and attributes or search by keyword1 to 1 of 1

Name	AMI Name	AMI ID	Source	Owner	Visibility	Status	Creation Date
autoscaling-de...		ami-0e8a219e99dea358f	214856675350/...	214856675350	Private	available	September 4, 20

Image: ami-0e8a219e99dea358f

DetailsPermissionsTags

AMI IDami-0e8a219e99dea358fAMI Nameautoscaling-demo-image

Owner214856675350Source214856675350/autoscaling-demo-image

StatusavailableState Reason-

Creation dateSeptember 4, 2020 at 7:15:51 PM UTCPlatform detailsLinux/UNIX

Edit

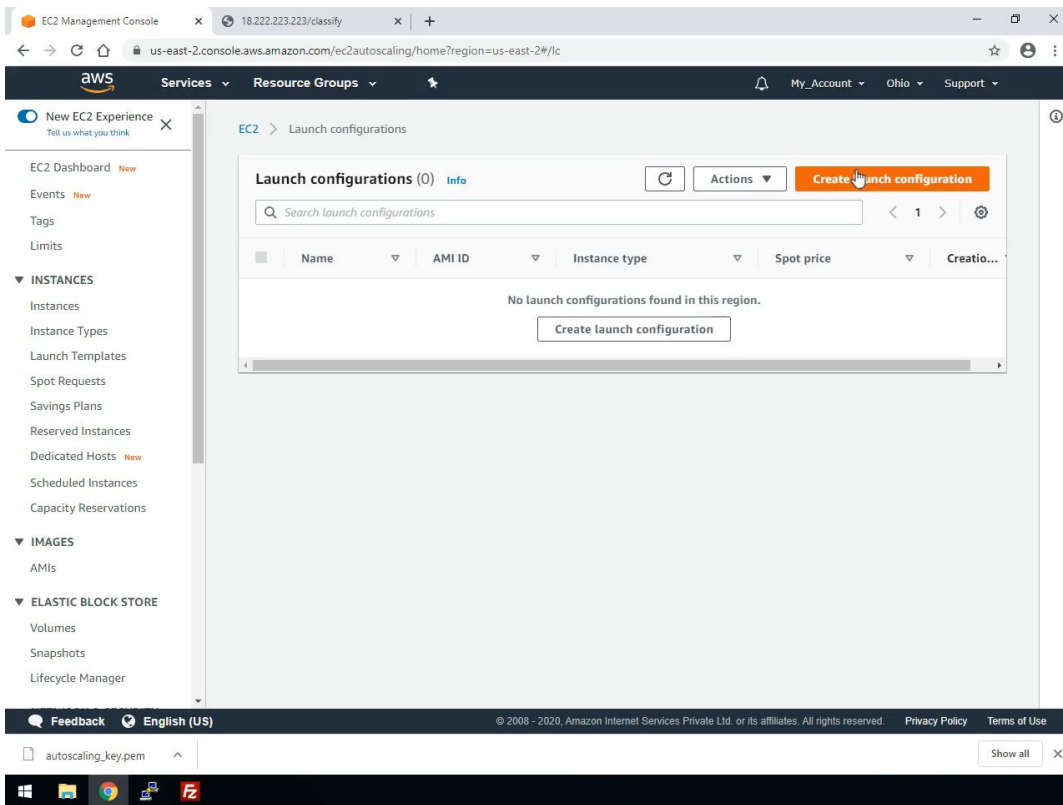
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autoscaling\_key.pem

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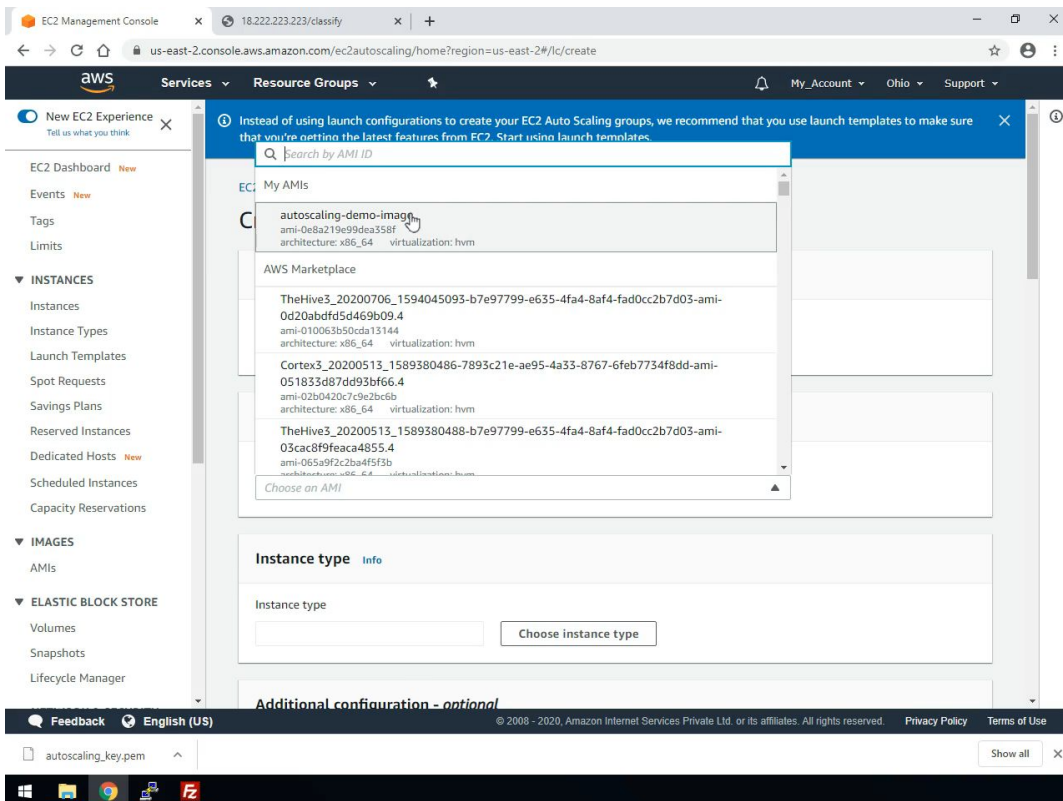
1:07



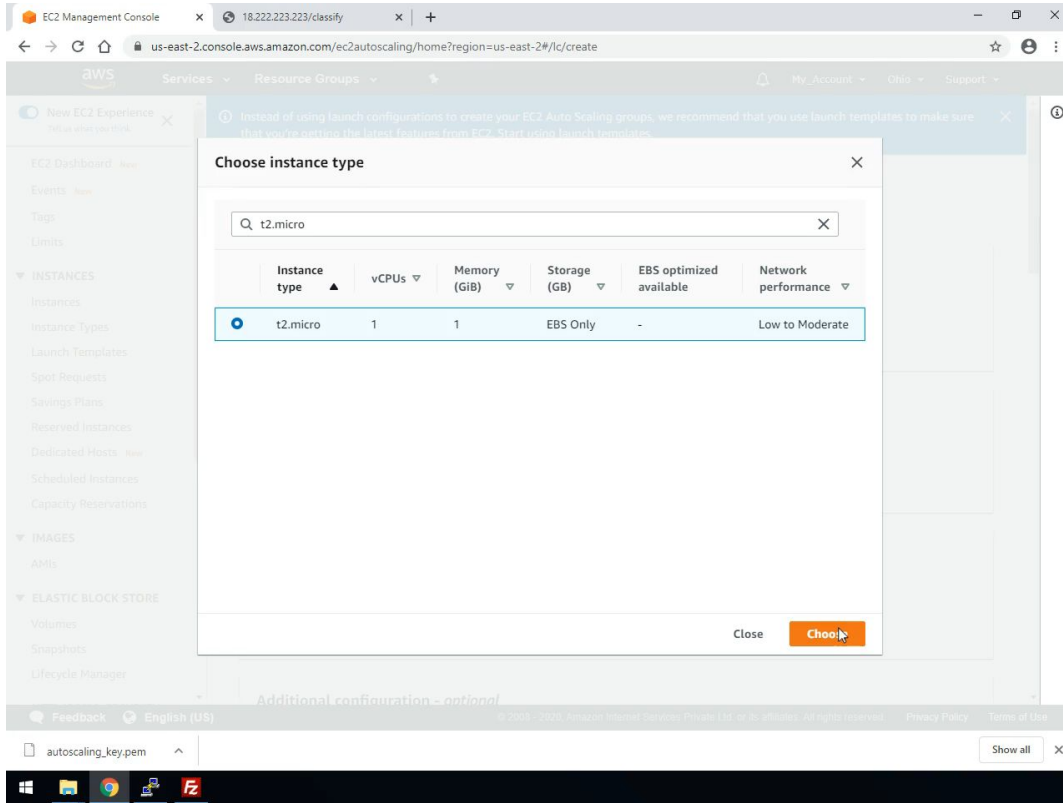
▶ 1:32

select the AMI we creating

▶ 1:50



▶ 1:50



▶ 2:13

t2.micro is free

▶ 2:15

spot instance are basically used EC2 instances provided by AWS at a very cheaper rate than the on demand-instances

▶ 2:42

EC2 Management Console | 18.222.223.223/classify | us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/create

**Services** | **Resource Groups** | **My Account** | **Ohio** | **Support**

**autoscaling-1c**

**Amazon machine image (AMI)** [Info](#)

AMI: **autoscaling-demo-image**

**Instance type** [Info](#)

Instance type: **t2.micro (1 vCPUs, 1 GiB, EBS Only)** [Choose instance type](#)

**Additional configuration - optional**

Purchasing option: ☐ Request Spot Instances

IAM instance profile: [Info](#)  
[Select IAM role](#)

Monitoring: ☐ Enable EC2 instance detailed monitoring within CloudWatch

EBS-optimized instance: ☐ Launch as EBS-optimized instance

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▶ 3:36

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**Free tier eligible customers can get up to 30 GB of EBS storage. [Learn more](#) about free usage tier eligibility and usage restrictions.**

**Security groups** [Info](#)

Assign a security group:  
☒ Create a new security group  
☐ Select an existing security group

Security group name: **AutoScaling-Security-Group-1**

Description: **AutoScaling-Security-Group-1 (2020-09-04T19:44:08.635Z)**

**Rules** [Remove](#)

	Protocol	Port range	Source type	Source
H	TCP	22	Anywhere	0.0.0.0/0
TP	TCP	80	Anywhere	0.0.0.0/0

[+ Add new rule](#)

**Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to**

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▶ 4:53

EC2 Management Console

us-east-2.console.aws.amazon.com/ec2autoscaling/home?region=us-east-2#/lc/create

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### Rules

Protocol	Port range	Source type	Source
TCP	22	Anywhere	0.0.0.0/0
TCP	80	Anywhere	0.0.0.0/0

+ Add new rule

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

### Key pair (login)

Key pair options

Choose an existing key pair

Existing key pair

autoscaling\_key

☒ I acknowledge that I have access to the selected private key file (autoscaling\_key.pem), and that without this file, I won't be able to log into my instance.

Cancel Create launch configuration

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autoscaling\_key.pem

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5:13

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Successfully created launch configuration: autoscaling-lc

### Launch configurations (1)

Search launch configurations

Name	AMI ID	Instance type	Spot price	Creation...
autoscaling-lc	ami-0e8a219e99...	t2.micro	-	Fri Sep 04..

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